Polnav Navigation Software

User Manual

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You must read the warnings and the disclaimer at the back of this manual prior to using Polnav navigator.

Contents

1. **Introduction**

Congratulations on purchasing the Polstar navigator Navigation Software. Polnav navigator is a state of the art navigation software designed to make your journey more efficient and productive. Polnav navigator offers the following features to make travelling and navigating through your neighbourhood easier:

- Dynamic route calculation
- Set and manage multiple waypoints in route to your destination with ease
- Powerful and convenient address search (Postal code/street search)
- Accurate moving map display
- Turn-by-turn voice instructions and mini maps
- Voice output engine
- Comprehensive and detailed map and Points-of-Interest (POI) database
- Easy to use and intuitive interface
- Space efficient
- Compatible with PC, PDA and Personal Navigator Packages.

Polstar would like to thank you again for purchasing Polnav navigator, and hope that it will assist you in your travels in the many years to come. For the latest news and updates, product support, and information regarding Polstar's range of GPS products, please visit Polstar's website at http://www.polstargps.com.

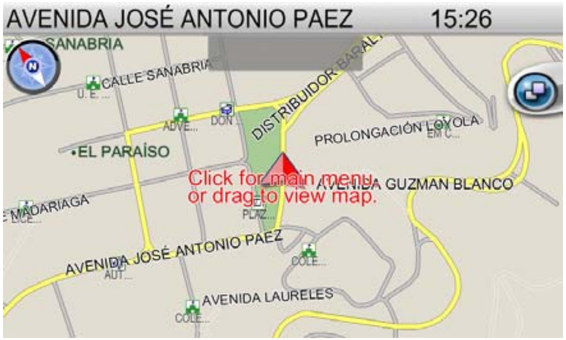
2. Getting Started With GPS Navigation and Polnav navigator

This tutorial will get you started on using Polnav navigator for navigation.

Step 1

Start Polnav navigator and wait for your GPS receiver to obtain a position fix.

Press the center area on the touch screen to obtain the **Main Menu**, and press the **Find Button** in the Menu.





Step 2

Press the **Find Button** in the Find Menu.





Step 3

Enter **City** on the onscreen keyboard.



Step 4

Then enter the **Street info and House Number info.** Or, click City Center.



then press the **Go To Button** to begin navigation. Polnav navigator will calculate a route to the destination from your current location.



① **Nearby:** Displays a list of nearby POIs or streets.

② **Save As:** Save the location as your Favorite.

③ **Info:** Information about the selected location, including Region, City, Longitude, Latitude, Street, House number…etc.

④ **Advance:** Add intermediate waypoint in route to your destination.Or,set the location as the start point to simulate the route.

⑤ **Go To:** Set the destination for route planning.

3. User Interface

3.1 Main Menu

The ***Main Menu*** provides access to Polnav navigator's many features. You can access the ***Main Menu*** by pressing any where in the map screen. The following features can be accessed from the ***Main Menu***.



	**Find:** Search for a destination.
	**Map:** Return to the map screen or Navigation/Free run screen.
	**Route:** Access the current route, itinerary, statistics and map information.
	**Settings:** Configure system and routing settings and manage favourites list.
	**My Data:** Maintain user specific information like Favourite, Itinerary, and Trail …etc.
	**Info:** Display GPS, driving information (Statistics) and information about Polnav navigator version.
	**Exit:** Exit Polnav.



All submenus contain the following features on the top panel at the top of the screen:

	**Back Button:** Return to the previous screen.
	**Map Button:** Return to the Map Screen or Navigation/Free run screen.
	**Menu Button:** Return to the Main Menu.

3.2 Map Screen

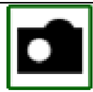
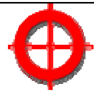
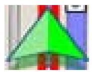
The ***Map Screen*** displays a map of your current location, as well as displaying nearby POIs and information. You can also use it as an electronic map.

3.2.1 Functions



①	Compass (Click to change the Orient of map)	⑧	Return to Car Position
②	Volume Adjustment	⑨	Zoom in
③	Nearby POI	⑩	Zoom out
④	Play Demo	⑪	Go Home
⑤	2D/3D mode switch	⑫	Rotate
⑥	Information panel about the selected location	⑬	Scale Ruler
⑦	Access to Main Menu	⑭	Selected location (road or POI) will be Highlighted

3.2.2 Map Displays

	Starting Point		Selected Point of Interest
	Waypoint		Point of Interest (POI)
	Destination		Selected Location
	Next Turn		Selected Street
	Turn		Current Location / GPS Fix Location

3.3 Panning (Browsing the map)

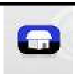
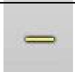
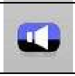
You can browse different areas of the map in the map screen by dragging the map. Simply hold your finger down on the screen and drag it in the opposite direction.

3.4 Navigation Screen

The Navigation Screen will appear whenever a route has been set. It is basically a Map Screen with additional information about the route, such as distance until next turn, travel time, and estimated time at arrival. The screen will be centred on your current location (when you have a GPS fix, or else simulation will move at a constant velocity). To exit the ***Navigation Screen***, simply pan the map. To return to the ***Navigation Screen***, press the ***Car Position*.**


CATIA LA MAR
55 km/h
CARACAS
790
m
12:15
22 km
30 min
Hacia AUTOPISTA CARACAS-LA GUAIRA
1
2
3
4
5
6
7
8
9
10
11

①	Showing the current street info or current city info. (Click to switch)
②	Guidance symbol： Switch between 2D North-up, 2D Heading-up, 3D Head-up views
③	Showing the Distance to Next Turn, Maneuver at Next Turn and serial Turn. (Click on the icon to repeat voice instructions)
④	On the periphery of the Next Turn symbol, there are two dots: the Red Dot showing the direction of destination, and the Yellow Dot showing the Special Location. The special location will show only when you set in My Favorite.
⑤	Showing the current speed or current time (Click to switch)
⑥	Road Sign
⑦	Sub Menu
⑧	PIP (Picture in Picture)
⑨	Estimated Time at Arrival / Total Distance Remaining / Total Time Remaining
⑩	Instruction for Current Turn. (Press to Access the ***Turn List***)
⑪	Car position： Green (GPS signal good)、Yellow (GPS signal weak)、Red (GPS signal lost)、Gray (Simulation)
	Functions in the Sub Menu
	Hide the Sub Menu

	Go Home
	Zoom in
	Zoom out
	Set volume
	Showing the nearby POI Menu 
	Start simulation

3.5 Highway information (Click to hide/show)

When we driving on the highway, there will shows 3 lines of highway information in the lower right corner of the ***Navigation Screen***.

The car and road links will shows on the center left. You can click on the “Highway information” to hide or show.



(Show)



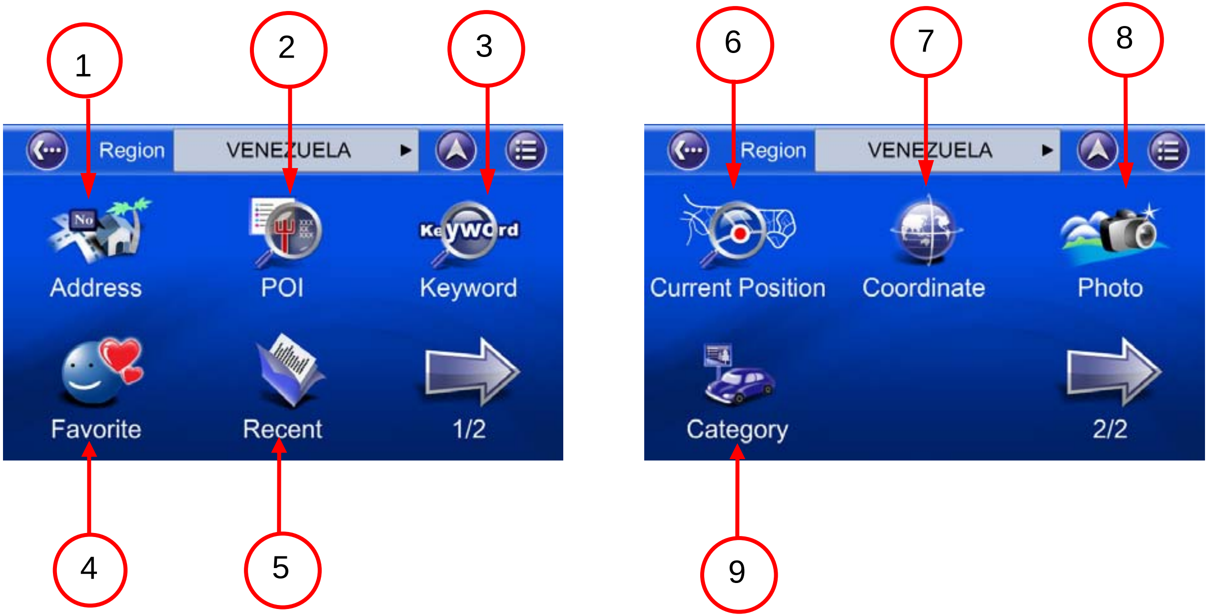
(Hide)

4. Finding Destinations

Polnav navigator offers many methods to search for a particular destination. This is useful as you can pinpoint the search locations and minimising your search time. Once a destination has been found, the ***Location Menu*** will appear, and Polnav navigator will calculate a route to the chosen destination when you press the ***Go To Button*** or the ***Add Via*** Button. You can also use the ***Find Menu*** to set a ***Starting Point for route simulation***, as explained in the ***Getting Started Tutorial.***



4.1 Function Introduction



①	**Address:** Enter the city name of postal code using the onscreen keyboard. You can also enter a key word if you are unsure of the location as Polnav navigator will list all possible locations with that key word. Once you have found the destination, Polnav navigator will load the Location Menu.
②	**POI:** You can search for POIs within a country. Points of Interest are local landmarks or interesting places, and are represented by icons on the ***Map Screen***. To simplify searches, POI has been categorized. Once you have found the destination, Polnav navigator will load the Location Menu.
③	**Keyword:** Polnav navigator allows users to find a POI by entering the Keyword. When entering the keyword, user can enter some of the characters of the POI name as well as space, numbers…etc. The sequence of the result list is sorted by the distance. The maximum searching distance is 2,000 kilometers and maximum lists the 300 POIs that were previously in sequential order for convenience should you decide to revisit the same place in the future.
④	**Favorite:** To search through saved any meaningful on your point of interest or position.
⑤	**Recent:** Polnav navigator stores and lists the 50 destinations that were previously in sequential order for convenience should you decide to revisit the same place in the future.
⑥	**Current Position.**
⑦	**Coordinates:** You can enter GPS coordinates of a location if it is known.
⑧	**Photo:** Polnav could use JPEG/EXIF file to get the location. EXIF (EXchangeable Image File) data could save the information in the JPEG file when taking the picture by digital camera.
⑨	**Category:** Polnav navigator allows user to search a destination by POI Category.

4.2 Entering Information

When performing searches, you will be prompted with the onscreen keyboard to enter keywords for the search. You can alternate between alphabetical letters (ABC) and numbers/symbols (123) by pressing the ***Switch Button***.





5. Route


Car Navigator
Main Menu
Find
Map
Route


Route
Itinerary
Route Options
Turn List
Best Fit
Cancel Route
1/2


Route
Demo
Stop Demo
Bypass Waypoint
Detour
2/2

5.1 Route information

It includes information such as the ***distance remaining*** until next waypoint, ***travel time*** and ***arrival time***.



5.2 Itinerary

The Itinerary List is a list of user defined intermediate waypoints you can set on the way to your destination.



5.3 Route Options

Route options take your preferences into account when calculating the route to your destination. It is affected by the following parameters which you can set.

To select or deselect a parameter, press the relevant panel on the screen. Once selected, it will be highlighted by a check.





①	**Vehicle Type**: Car, Bicycle, Walk can be selected.
②	**Routing Method:** Shorter (distance), Faster (time) routing algorithm can be applied.
③	**Avoid Highway**: Highway won't be considered as route solutions.
④	**Avoid Minor Road:** Minor roads in communities or paved for walker won't be considered as route solutions.
⑤	**Ignore Traffic Rule:** one-way or manoeuvre traffic rules won't be considered as route solutions.
⑥	**Ask every time before planning:** enable this function will let user to set the Route Option every time he plan a route.
⑦	**Avoid Toll Roads:** the route won't take roads with tollbooth as solutions.
⑧	**Avoid Ferry:** ferry won't be considered as route solutions.

5.4 Turn List

The Turn List is a list of all corners and roundabouts (***turns***) you will pass on the way to your destination. To view a turn, press its panel on the ***Turn List***. This will load a map showing the location of the turn.



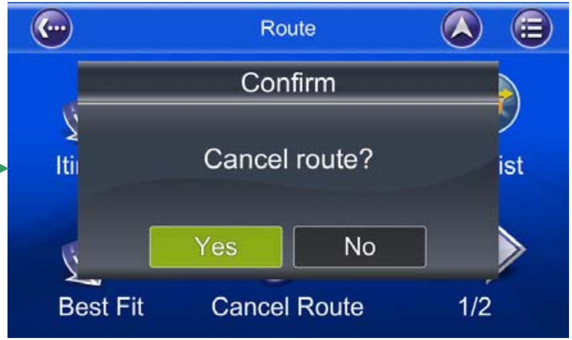
5.5 Best Fit

To click on this option can display the full route.



5.6 Cancel Route





5.7 Demo

Polnav navigator will provide you simulate the route to your destination using , to facilitate your actual navigation of prior knowledge of the official road. This function is used in the GPS fix or not. You also press the **Go To Button** in **the Location Menu** to begin navigation. Polnav navigator will calculate a route to the destination from your current location.



5.8 Bypass Waypoint

The route is recalculated to take bypass waypoint around the location or street. This function should be in the GPS fix can click this button.



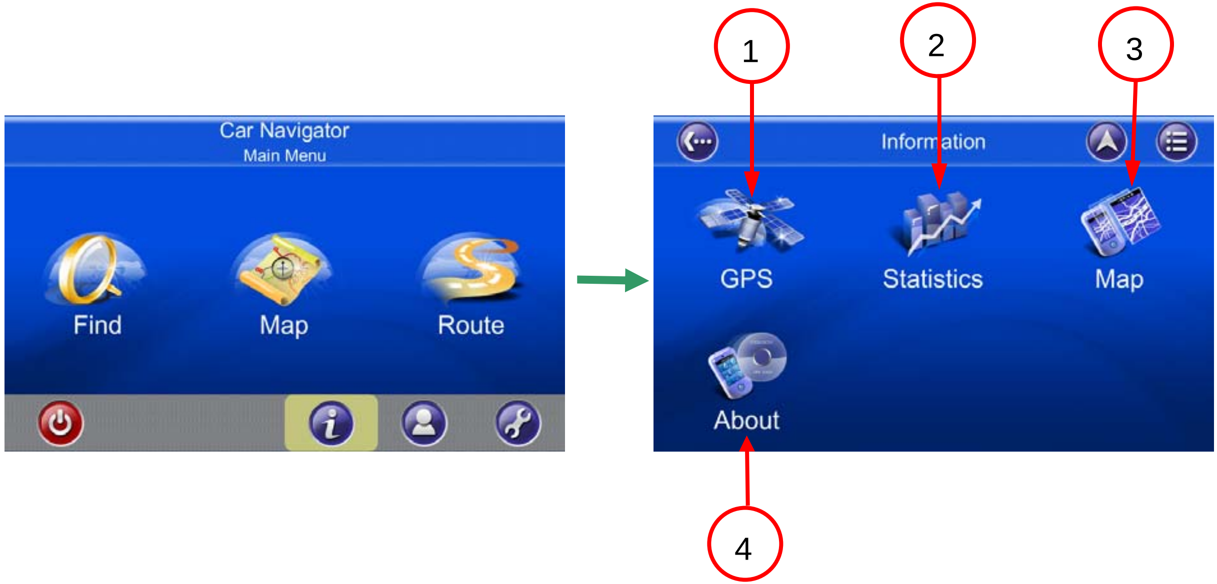
5.9 Detour

The route is recalculated to take a detour around the location or street. This function should be in the GPS fix can click this button.



6. Information

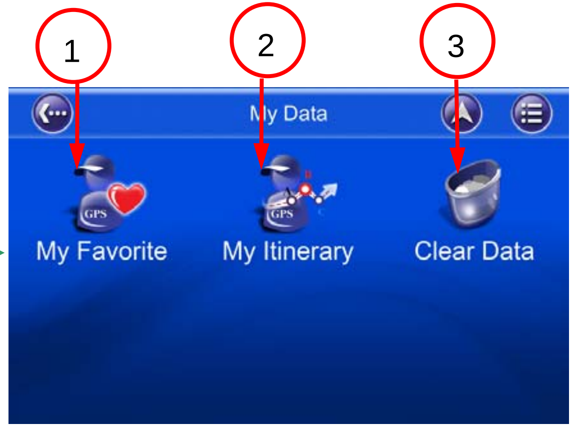
The Information Menu gives you information about your route, itineraries, destinations, locations and maps.



①	**GPS:** Access information about satellite coverage, current time, longitude, latitude, altitude, quality of the signals received and the status.
②	**Statistics:** Access information about your current location, heading, velocity, time, etc.
③	**Map:** Access information about the maps your Polnav navigator is using, and what maps you have available. Maps are required before you can navigate the area. Note you should have the license key to use the map data.
④	**About:** Access information about Polnav navigator, version number, memory usage etc.

7. My Data





①	**My Favourites:** You can edit your ***Favourite*** destinations by accessing the ***My Favourites Menu***. You can add the places of Favourites.
②	**My Itinerary:** You can retrieve a planned itinerary by pressing ***Load Button***. After having a loaded itinerary (current itinerary), you can add, edit or save the itinerary. If a route already exists before you retrieve an itinerary, a warning message will be shown.
③	**Clear Data:** You can clear the data you have saved here.

8. Settings

To change the software settings, press the Settings button on the Main Menu. Polnav navigator offers a high degree of personalisation settings, as well as normal system settings. You can access these settings from the **Main Menu** → **Settings Menu**.



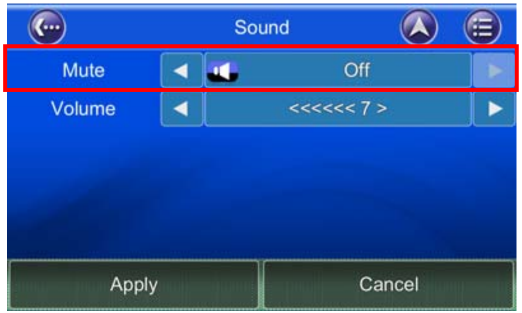

Settings
Time Zone
Safe Mode
Speed Alert
POI Icon
Factory Default
2/3

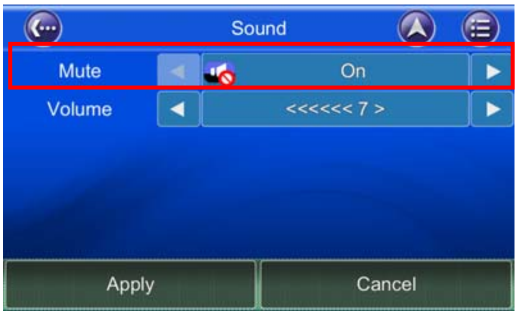

Settings
GPS Port
3/3

8.1 Sound

You can adjust the volume of the voice prompts and sound effects here, as well as enabling sound/disabling sound.







8.2 Display

The ***Display Menu*** allows you to change the display features used by Polnav navigator. You can adjust the colour scheme to suit your current lighting conditions for ease of visibility, the 3D view angle and font size. The ***Automatic Colour Scheme Mode*** changes the colour scheme automatically at sunrise and sunset each day.



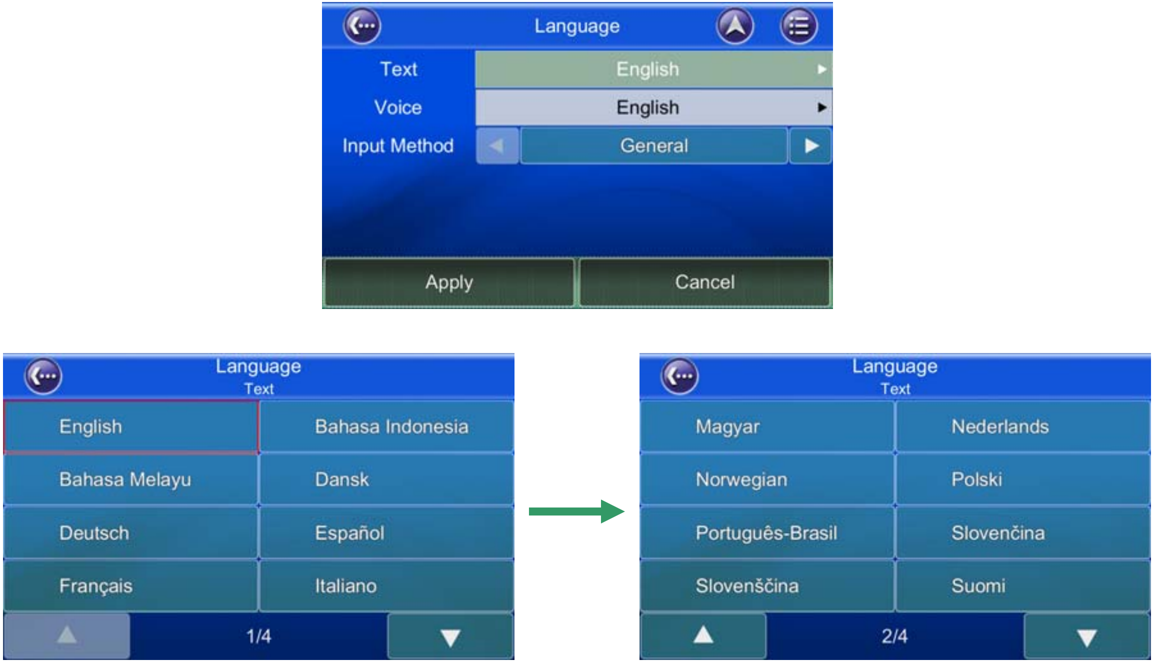
8.3 Language

The ***Language Menu*** allows you to change the Settings of Polnav navigator for use in different countries. You can change the ***Text*** and ***Voice*** prompts used by Polnav navigator. To switch dual language map's text, please kindly change the Map language from the following screen.



8.3.1 Text

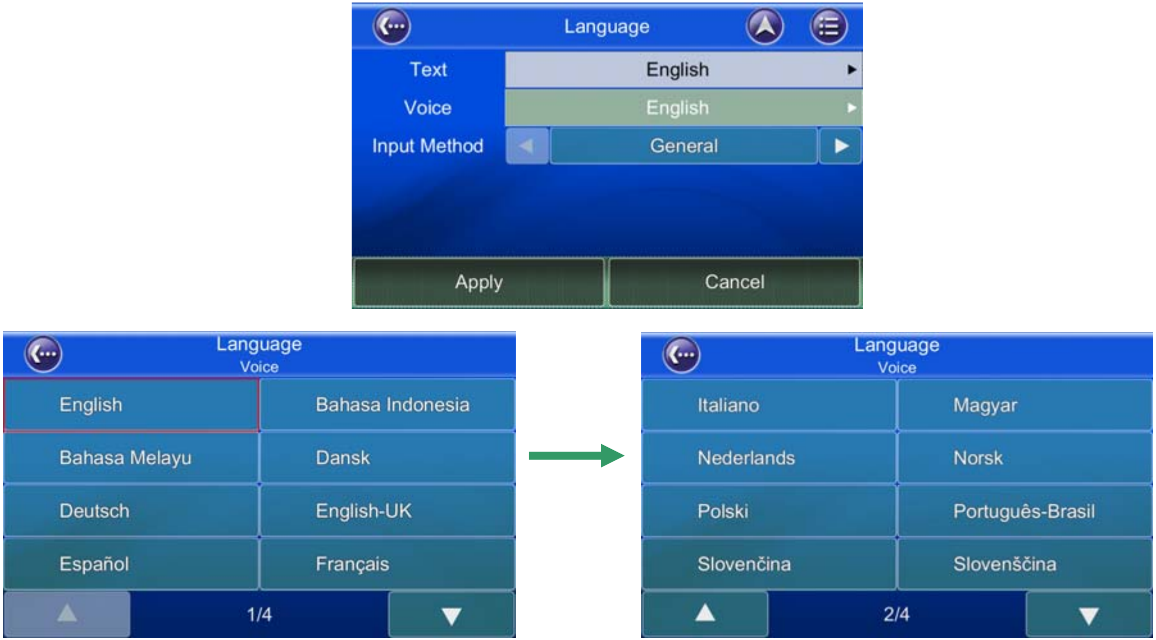
In Polnav navigator, there are over 20 texts for Menu to be selected.




Language
Text
Svenska
Tiếng Việt
Türkçe
Čeština
Ελληνικά
Русский язык
العربية
فارسي
3/4
Language
Text
ภาษาไทย
日本語
繁體中文
4/4

8.3.2 Voice

In Polnav navigator, there are over 24 prompt voices to be selected. You could change the language and apply it.




Language
Voice
Suomi
Svenska
Tiếng Việt
Türkçe
Čeština
Ελληνικά
Русский
عربي - رجل
3/4
Language
Voice
فارسی
ภาษาไทย
台語
國語
客語(四縣)
客語(海陸)
日本語
4/4

8.3.3 Input Method

In Polnav navigator, users could choose the input method to be the default keyboard when enter the key words.



(English Query Keyboard)



(Chinese BPM Keyboard)



(Arabic Keyboard)



(Persian Keyboard)



(Russian Keyboard)



(Greek Keyboard)



(Thai Keyboard)



(Pinyin Keyboard)



(Turkish Keyboard)



(Vietnam Keyboard)

8.4 Unit

The ***Unit Menu*** allows you to change Unit Settings of Polnav navigator for use in different countries. You can change the ***measuring units*** (distance) and ***time*** (12 hours / 24 hours format) settings.



8.5 Guidance

The ***Guidance Menu*** allows you to adjust the ***Map Orientation, Auto Zoom, Approaching View, Turn PIP***



8.6 Time Zone

The ***Time Zone Menu*** allows you to adjust the ***time*** displayed by Polnav for the ***area or country*** you are currently in. This is useful if you are in a country that adopts daylight saving.



8.7 Safe Mode

By enabling “Safe mode”, the touch screen function will be disabled when the vehicle speed is above 40km/hr. This is to prevent drivers from operation of navigation devices. The touch screen function will be normal once the vehicle speed is below 40km/hr.





8.8 Speed Alert

You can enable speed alerts, which will warn you when you exceed the speed alert velocity.

8.8.1 Speed Alert



8.8.2 Speed Camera Alert



8.9 POI Icon

You can reveal, hide all or just some POI icons for ease of visibility on the ***Map Screen. Select the icons*** you wish to have displayed or hidden on the ***Map Screen***, then press the ***Done Button***.



8.10 Factory Default

If you would like to change the settings you have set, you could ***restore the Factory Default Settings*** and restart again.



9. Disclaimer

Polstar Technologies, Inc. takes no responsibility for any use of this product that may result in law violation and/or accidents leading to personal injuries and/or property damage. It is the user's own responsibility to operate the product in a prudent manner that will comply with the law. Polstar will take no responsibility for the consequences caused by inaccurate satellite transmissions. The Government of the United States of America is solely responsible for the accuracy and maintenance of the GPS system.

10. Important Messages

- **Warning**: Do not operate Polnav navigator and a vehicle simultaneously as this is very dangerous. The vehicle must be parked prior to operating Polnav navigator. It is your sole responsibility to operate Polnav navigator and the vehicle in a prudent manner. Misusing Polnav navigator may result in accidents and may lead to injuries and/or property damage. Only a passenger should operate Polnav navigator while the vehicle is in motion.
- **Caution**: Do not use Polnav navigator as a medium to generate precise readings of altitude, direction, distance, location or topography. Polnav navigator must only be used as a navigational aid. Any information generated from Polnav navigator must only be used as reference.
- **Caution**: Although every attempt has been made to ensure the accuracy of the maps and the data used by Polnav navigator, the location of points of interest, transportation networks, etc may change over time without notice therefore rendering the data obsolete. Therefore it is essential that you check the actual surroundings with Polnav navigator's maps in order to confirm that you are at the exact destination.
- **Caution**: Polnav navigator cannot guarantee that any parts of the planned route will be dangerous, closed to traffic, or restricted to certain types of vehicles or is congested. Therefore it is your responsibility to determine the safety of the suggested route and to ignore any illegal or unsafe routes.